Formerly it was believed that a smith owed his skill to the help of the spirit of a person whom he had killed, and wooden effigies of this person were kept by the smith.(1) 326 782

The principal products of a blacksmith's forge are axe-heads, hoe blades,(2) tools for mat-making, arrowheads, knives, and brass bracelets. Iron, which is fairly plentiful, was formerly smelted over charcoal fires.(3) Today smiths use scrap iron. 325 412

Pottery

Pot-making is a part of women's work among the Ovimbundu. A wheel is not used. Clay is mixed with a silicate, usually gravel, rolled out in long ropes, and the pot built by the coiling process.(4) Pots are ornamented when wet by making deep incisions with a piece of gourd; they are then sun-dried, and fired in a kiln of dry grass. Pots are used as water-containers, as cooking vessels and as vessels for storing corn and beans, and, when made in a very large size, for brewing beer.(5) 323 [462]

No ritual attaches to pot-making, except at the opening of a new clay-pit, when, in the presence of both men and women from the village, the medicine-man sacrifices a chicken over the open pit.(6) [782]

Weaving and Spinning

Looms have not been used among the Ovimbundu since they have been a people, although progenitors of the kingly families who came from the Bangala or Congo groups may have done weaving. Trade cloth has been known and used by the Ovimbundu for nearly 300 years.(7) Skins have been used in remote areas; Hambly when he mentions bark-cloth as being worn by the Ovimbundu is probably referring to the Ngangela. Spun cotton, however, is used for repairs, and there is a cotton plant in most gardens. Spinning is done always by men.(8) 286 439 [281] [287] [283] 462

Basketry

All girls learn to make baskets, although some become more proficient than others. Knowledge of basket-making implies also an understanding of dyeing, since coloured strands of grass are interwoven to make geometric patterns.(9) Baskets, and also basket-trays, are usually made by the coiling process.(10) 285 462 [382]

(1) Hambly, (2) 1934, pp.158-60. The ceremony was described from Njangolo village in Elende.
(2) See Cashmore, 1946, pp.140-1.
(3) For details of the blacksmith's forge and tools, see Hambly, op.cit., pp.160-1; Cashmore, 1946, pp.139, 140, 145-6.
(4) See Hambly, op.cit. Plates XXXIII and XXXIV, and Childs, 1949, Plate VIII.
(5) Hambly, op.cit., p.168; Cashmore, op.cit., pp.144-5.
(6) Hambly, op.cit., p.169.
(7) Childs, personal communication. See also Childs, 1949, p.191, note 1.
(8) See Hambly, p.177, and Cashmore, 1946, p.136.
(9) Red, yellow, black, and brown dyes are used. For a description of the process, see Hambly, op.cit., pp.170-1.
(10) See Hambly, op.cit., p.171, and Cashmore, op.cit., pp.141-2 for details of basket-making. Also for illustrations Hambly, op.cit. and Childs, 1949.

Mat-making

462 285 [412] The making of mats is a specialised craft for men. Generally elderly men are the mat-makers. Two tools are used, a borer and a needle, both products of the blacksmith's forge. Hambly[1] describes the making of reed sleeping mats, large mats used for partitions, and string bags. There are four distinct types of mats, each of which has its specialist.[2]

Leather-work

282 Leather pouches worn on a broad leather belt are part of the essential equipment of the hunter. The pouch is square, rectangular, or semi-cylindrical in shape, and may be decorated with cross-shaped patterns, or brass-headed nails used for decorative effect. Hide is also used for the seats of four-legged wooden stools. Hides are crudely dressed: they are soaked, the inner surface rubbed with ashes, the hair scraped away, and the hide pegged out.[3]

Wood-carving

323 [413] Wood-carving, which is men's work, includes the following specialisations: doors, windows and their frames; coffins; beds, tables and chairs; mortars, pestles, grinding-handles, and handles for various iron implements; stools, household utensils, carved images etc., drums and other musical instruments; canoes (dug-outs and coracles).[4] Illustrations are given by Hambly.[5]

TRADE

438 484 791 [382] Caravan trade is now confined to short journeys when corn, beans and beeswax are carried by men and women porters to the traders' stores. Formerly however it was an important feature of tribal life. Each caravan had its professional leader, and was accompanied by a diviner or medicine-man. Before a caravan started out, a ceremony was performed at which the principal performers were the village headman and the medicine-man. The head of the former headman was brought from its box, sewn in cowhide; blood from a sacrificed animal was sprinkled on the head, and invocation was made to the deceased by the village headman, asking for good fortune for the journey.[6]

438 436 Today the Ovimbundu exchange products among themselves both by barter and the use of Portuguese money,[7] but there are no large markets except in the towns.

[439] 438 The "trade-agreements" between the Ovimbundu kingdoms and between the Ovimbundu and other tribes have been mentioned above.[8] Accompanying these, regional industrial and commercial specialisations within Ovimbundu country developed. Thus in the middle of the last century

(1) Hambly, op.cit., pp.169-70.
(2) Childs, 1949, p.109.
(3) Hambly, op.cit., p.176.
(4) Childs, op.cit., p.110.
(5) Op.cit., Plates XIII to XXII.
(6) Hambly, op.cit., p.156.
(7) For details of Ovimbundu units of measurement see Hambly, op.cit., p.157.
(8) p.9.

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

O. Dapper (Description de l'Afrique, 1732, p. 369) shows a scene in which an ax, such as I obtained from the Vasele country, is being used for beheading a slave.

Cavazzi (Istorica descrizione, etc., Bologna, 1687) describes the three kingdoms of Congo, Matamba, and northern Angola. The poison ordeal, the scapegoat, the blacksmith's bellows (pp. 101, 170) are all traits known to the Ovimbundu. The musical instrument made from a large gourd, which has a ridged board attached for rubbing with a stick, is the type I collected. Cavazzi pictures the double iron gong and the long drum held between the knees. He also shows a rain-maker (p. 214) and the sacrifice of two hundred victims at the accession of a king (p. 210).

Consideration of the history of maize in Africa is of importance in connection with these early writings, as this grain is the staple agricultural product of the Ovimbundu. I am indebted to Dr. Berthold Laufer for access to his unpublished research on this subject. From the following facts one may assume that, in all probability, the maize culture of the Ovimbundu was derived from the Congo region before their migration into the Benguela Highlands.

Father Jerome Merolla remarks that maize was growing in the neighborhood of San Salvador (1683–92). The native names were *mampunni* and *massambuta;* from this corn an alcoholic beverage was prepared. According to Cavazzi (Ehrmann, Geschichte der merkwürdigsten Reisen, XIII, 1794) maize was not intensively cultivated by the Negroes of lower Guinea, though it thrives well and may be harvested twice or thrice a year. The natives said that the grain was brought by the Portuguese, but they did not esteem it highly, and were accustomed to use it as food for pigs.

Bosman (p. 312) records that prior to the arrival of the Portuguese, Negroes were entirely ignorant of *milho* ("maize"). The account of Duarte Lopez preserved by Filippo Pigafetta states that the Negroes consider maize the vilest of all grains, so that it is given to swine. This contempt and lack of knowledge of the food value, combined with ignorance of methods of preparation, suggest a recent introduction (Pigafetta, translation by M. Hutchinson, 1881, p. 40). Dapper (Description de l'Afrique, 1732, p. 345) also mentions the cultivation of maize. Battell lived as prisoner in northern Angola about the year 1600, consequently his records of the use of the great Guinea wheat (maize), which the natives call *mas-imporro*, give early evidence for the use of this grain (Hakluyt Soc., 1901, pp. 9, 11, 67).

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

The foregoing facts, when compared with field work among the Ovimbundu, indicate that the old culture of the Congo and northern Angola bears a strong resemblance to Umbundu culture at the present day. A more detailed analysis of this resemblance is made in chapter X.

The following notes dealing with exploration in Angola (1800–1930) are adduced for critical comparison with my own observations among the Ovimbundu.

The work of Sir R. F. Burton describing the exploration of Lacerda and other Portuguese pioneers, is more useful for geographical than for ethnological information. Lacerda's journey to Czambe, south of Lake Moero, was performed in 1798. A mention of veneration for the dead and consultation of the deceased on all occasions of war or of good fortune, is made (p. 127). These are important points in the present tribal life of the Ovimbundu.

Bowditch (1824) writes from information given to him by Almeida and Saldanha. There are valuable references to the Vacilenge, a people adjacent to the Ovimbundu, who refused to kill their cattle, "rather than do which they will endure famine to extremity." This note was made about Long. 15° E. and Lat. 15° S. (p. 34). The cattle were milked, and cattle-raiding by the Ovimbundu was common at this time. Many present-day Ovimbundu do not milk their cattle, but the Vacilenge still follow their milking custom observed before 1824.

Livingstone's journey through northeast and northern Angola in 1853 contains references to the Vachokue who seemed bent on plunder (I, p. 370). Livingstone noted cotton spinning, which I recorded as an occupation of males of the Ovimbundu at Elende. Livingstone, like other early travelers, encountered caravans of Bihéans (Ovimbundu) bearing elephants' tusks and beeswax, commodities, which, along with slaves, formed the chief merchandise of these caravans from the Benguela Highlands (p. 466). Livingstone notes and sketches (Plate XIII, Fig. 10) the double-handled hoe (p. 442) which is still used.

J. J. Monteiro (I, p. 61) saw the poison ordeal administered. The poison itself was prepared from the thick hard bark of a large tree (*Erythrophlaeum guineense*). The place of observation was Mongue Grande, just south of the Congo estuary, and again Monteiro was present when the poison cup was given to two women at Ambrizette. Of this ordeal there is more to be said when discussing the culture contacts of the Ovimbundu, because the ordeal is a basic factor of

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

175 [316] [325] Serpa Pinto saw shafts for the working of iron ore in the neighborhood of Cubango. The ore was mixed with charcoal and smelted in shallow pits. It is stated that the iron was sometimes tempered with ox-grease and salt. The bellows are of the type made at Elende (I, p. 128). Of the tempering process I have no confirmation.

175 787 [764] Somewhere near Bihé Serpa Pinto saw the ceremony of questioning a corpse which was made to sway to and fro, the people believing all the while that it does so without human intervention. The diviner declared that the soul of a dead person will tell who caused the death (I, p. 130). I observed and photographed this ceremony (Plate XLV, Fig. 1).

[695] The ordeal of the poison cup is described; blood-letting, and divination by shaking articles in a basket are also mentioned. Pinto says that in the articles that appear uppermost the diviner reads what his hearers are desirous of learning of the past, present, or future. Sorcery and rain-making are likewise briefly mentioned (I, p. 132). The divination basket, the poison ordeal, and rain-making, are Umbundu cultural traits today.

171 224 Here Pinto illustrates the existing practice of mounting the skulls of animals killed by a hunter on a pole in the village. There is a further reference to this custom among the Ambuellas (I, p. 333). These instances, combined with those personally noted, give a wide distribution for the practice (I, p. 177).

175 [304] Pinto saw the operation of tooth mutilation among the Luimba. The operation was performed with a knife which was struck by repeated light blows (I, p. 209).

[711] Pinto illustrates arrowheads in use in 1879 (I, pp. 277, 346). These are exactly the same as those made and used in 1929 (Plate XVII, Figs. 1–9).

[412] Axes used by the Luchazi are sketched with a detail that shows the old forms to persist without alteration (II, p. 36).

[321] Water-pipes made from horns and gourds by the Luina of eastern Angola are of the forms now used in that region, also by the Ovimbundu of the present day (II, pp. 33, 37).

175 114 For use in checking and supplementing my observations Serpa Pinto's book was found to be of the greatest service, though the precise locality was sometimes difficult to identify. This explorer, in common with others, scattered his ethnological observations among descriptions of the route and botanical, zoological, and other notes.

Lux traveled from Loanda due east, following the Kwanza on the northern bank between 9° and 10° S. Lat., and so into Lunda.

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

301 The new ornaments had acquired no sentimental value, therefore
321 their price was moderate.

[171] *Omba* shells are to be seen in use from Kipungo southward through Huila, among the Luvando, and among the Vakuanyama of southern
[554] Angola. In the places mentioned one may judge the social status of a woman by the number of *omba* shells she wears. A principal wife is usually well supplied with these ornaments.

302 In this southern journey it was noticeable that there was an
171 increasing use of red pigment which is lavishly employed for smearing
[294] every kind of ornament, the body, and the hair. Leather belts and skirts of Vakuanyama women are thickly coated with red pigment which is invariably mixed with grease. The red powder is prepared
[824] by desiccating a red wood called *tukula* by the Vakuanyama, a name which is used through Angola and the southern Congo area.

412 From Kipungo southward through the Vakuanyama country
171 there is a notable absence of decorative wooden hair combs. On the contrary, delicately carved combs are used by both men and women of the Ovimbundu. The Vasele make such combs, but by far the best
[532] examples are made and used by the Vachokue tribe of eastern Angola. Here the decorative design usually includes a well-carved human figure at the top of the comb.

301 Among the Vakuanyama, necklaces of disks made from ostrich
[237] eggshell are worn by the women only. A woman of importance has
[551] a dozen loops of such necklaces, each loop being about 125 cm long. These necklaces are so greatly esteemed that only after much persuasion can a woman be induced to part with a single link. Perhaps, as is the case with *omba* shell, there is more than the intrinsic value to be considered. One point is constantly noticed in considering social status and ornament. All the wives of a wealthy man, especially among the Vakuanyama, are made to advertise their husband's position by the profusion of their ornaments and the quality of their leather skirts and belts.

[321] There is, in addition to the necklaces of ostrich-eggshell beads, a highly prized necklace made from small perforated disks of shell having a diameter of about a centimeter. The Vakuanyama women
[435] smear a necklace of this kind with grease and *tukula* powder; the value of a necklace 125 cm long is equivalent to that of an ox. In describing these necklaces there is interest in noting that they are traded to the south of Angola from places six hundred miles to the
[439] north; therefore their value is to some extent dependent on rarity and distant origin.

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

The water-pipe of the Ovimbundu consists of the horn of a cow into the side of which a short hollow pipe stem is introduced; at the top of the stem is a clay bowl for the reception of tobacco, or a mixture of tobacco and hemp. The wide end of the horn is plugged with clay, while a hole is made at the tip in order to provide a mouth-piece. A gourd water-pipe, similar to that used by the Vachokue, is also found among the Ovimbundu. 276

Cylindrical snuff boxes are ornamented with incised, burned, geometrical patterns. The lid is usually attached to the box by a leather thong. One large snuff box is ornamented with three well-carved female figures. The smoker's equipment is sometimes carried in a leather pouch fastened on a waist belt, or the container may be a hollow cylinder of ivory with a leather cap at each end. 276 531

To this information respecting the smoking and snuff-taking outfit of the Ovimbundu, some observations on the pipes and snuff boxes of other tribes should be added. When making a journey from Cangamba to Saurimo I seldom met an Ocivokue man who was not carrying a gourd water-pipe for the smoking of tobacco and hemp. Such pipes are usually ornamented with brass nails and are finely bound with thin brass wire (Plate XV, Fig. 3). One long pipe from Ngalangi has a pair of metal tongs attached for taking charcoal from the fire in order to ignite the tobacco (Plate XV, Fig. 1). A pipe with two bowls, closely resembling some Zulu patterns, was smoked by an Ocimbundu woman at Ngalangi. The Vachokue make snuff boxes from a yellow wood, which they ornament by burning portions of the surface in such a way that the yellow color is here and there visible. 276 171

Both men and women of the Vakipungo and Vakuanyama tribes carry snuff boxes of conical shape on their leather waist belts. At the top and bottom such snuff boxes are neatly bound with brass or copper wire.

DOMESTIC IMPLEMENTS

At an early age girls become accustomed to the use of the V-shaped pounder which is made from hard heavy wood (Plate XXXVI, Fig. 2). The small end of the shaft is a convenient thickness for grasping in such a way that the knuckles are on the under side of the shaft. This is the very reverse of what appears to be the natural grip. Women use the pounder with an easy, circular swing so that the flat round surface comes into contact with the grain on the rock. Endurance in this work is remarkable, and there is no doubt that 412

412 fatigue is avoided by the method of holding and swinging so that the work of crushing is done by the weight of the implement.

412 252 Two less usual methods of pulverizing grain are by use of a long pestle, which is worked up and down in a heavy wooden mortar as shown by Plate LXXXIV, Fig. 1, in which Vachokue women are so employed, and the crushing of grain with a cylindrical stone which is rolled on a flat slab. This latter method I judge to be very old, for on a pre-Umbundu site encircled by stone walls I have seen flat slabs of stone and cylindrical rollers. Some of the flat slabs were worn extremely thin in the middle and a few were perforated by the friction.

It is noteworthy that there are rocks especially reserved for the pounding of grain with the wooden mallet. Such rocks are to be [782] found close to every village, and the dedication of a new rock for this purpose requires the killing of a chicken whose blood is sprinkled on the rock.

252 [512] Work of this kind is begun before daybreak. From that time to sunset the pounding of the wooden mallets, accompanied by the singsong of the women, marks the progress of the day's work. At intervals the pounded grain is sifted through the hands and spread out on a basket-work tray, which is shaken to separate the fine meal. The unbroken and partly broken grain is replaced on the rock for further pounding. A small brush of grass is used for bringing together the grain which is dispersed by the blows.

412 171 [863] The sole implement used in agriculture, which is entirely in the hands of women, is the hoe. Of this implement there are several variations according to locality. The Ovimbundu and others of Ngalangi employ the form illustrated in Plate XIII, Fig. 10. The long handles measuring 85 cm no doubt reduce fatigue by minimizing bending. Both hands are used, and, furthermore, the increased length of the handles must give a greater leverage. The smaller hoe used by Ovimbundu women of Elende has short handles only 51 cm (Plate XIII, Fig. 9), while that from the Esele country is distinguished by a broader blade and still shorter handles only 36 cm in length.

412 Included in the outfit of every Umbundu home is the heavy wooden floor beater. This implement, which is fashioned from a single piece of wood, consists of a narrow handle, round in cross section, and a flat portion for beating the moist, newly made, mud floor of the hut. The total length is about 88 cm.

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

Not only the carpenter, but almost every Ocimbundu man possesses an implement which may be readily adapted as ax or adze (Plate XIII, Fig. 2). The wooden shaft, from 50 to 70 cm in length, terminates in a narrow grip at one end, while the other end expands into a large oval knob into which a circular hole is bored. The strong iron blade, one of the main products of the local forge, can be removed. If the round tang of the blade is inserted so that the cutting edge is in the same plane as the shaft, the implement is an ax. On the contrary, insertion so that the cutting edge is at right angles to the shaft converts the implement into an adze. When placed over the shoulder this implement is used for carrying utensils in a fiber bag (Plate XXVIII, Fig. 1).

Gourds are of three main kinds, which may be found growing on the ground or resting on the roofs of houses at the ends of the climbing stems that bear them. *Ombenge* is a gourd which is narrow in the middle. It is often converted into a dipper for ladling liquids. The narrow neck is the handle, while a round hole is cut in the larger part so that the dipper can be filled with liquid. *Onganja* is round, or perhaps oval in form. There is a size used as a measure of capacity. *Onganja* can be used as a ladle by fixing it at the end of a stick. *Olukuembo* has a round body and a narrow hook-shaped neck; like the gourd *ombenge*, it is used as a ladle.

Gourds are elaborately decorated with incised and burned designs (Plate XII, Figs. 1–6). Usually these patterns are geometrical, but human figures and animals are sometimes included. Decorated gourds from Bailundu, used for containing beer at a wedding, are among the best examples of their kind (Plate XII, Fig. 6). The owner of a decorated gourd takes great pains to repair a crack with rattan, which is threaded through holes bored in the edges of the fracture. A large gourd is sometimes carried in a native-made net of vegetable fiber.

POTTERY

A large and varied collection of pottery has been acquired from the Ovimbundu, the Vachokue, and the Vasele. The shapes and styles are best indicated by the illustrations in Plate XIV, Figs. 1–5.

Among the Ovimbundu, only women make pots, which are inferior in workmanship to those of the Vachokue and the Vasele. At Elende, among the Ovimbundu, I was surprised to find a man making pottery. Further inquiry showed that he had learned his craft when young in the Vachokue country of eastern Angola. This man, whose work was not copied at all by Ovimbundu women, was regarded as a specialist whose products were in great demand.

3: Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

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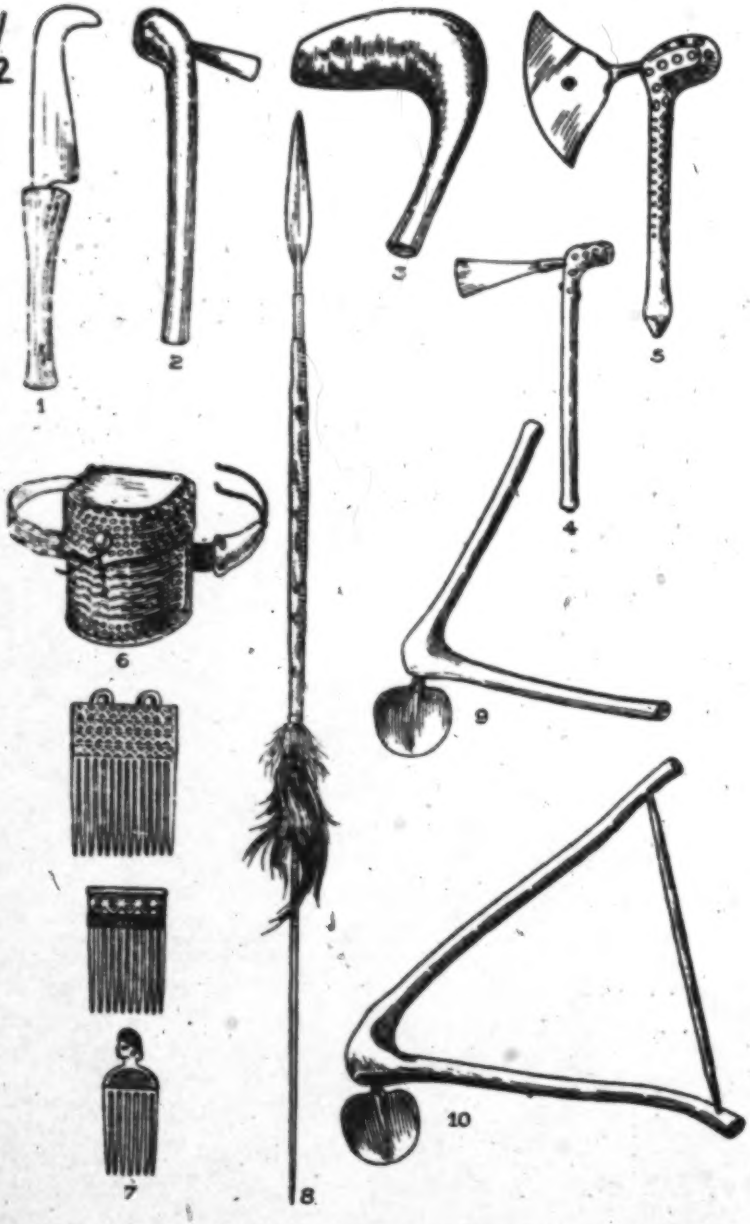

WOODEN COMBS, TOOLS, DOMESTIC IMPLEMENTS, AND WEAPONS

[p. 367]

W. Hambly E-5 (1929-1930) 1934 FP13 Mbundu FP13

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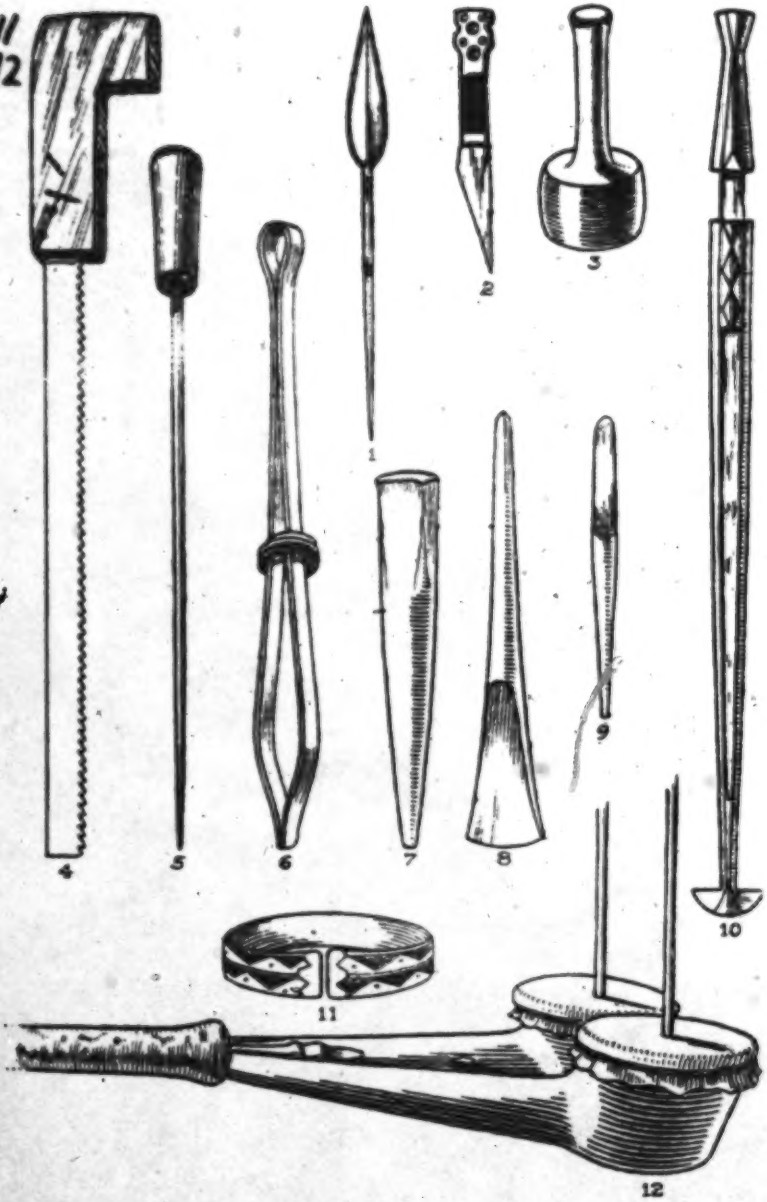

TOOLS AND WEAPONS

[p. 370]